

Substitution and/or Elimination

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Solve each system by substitution.

$$\begin{aligned} 1) \quad y &= -8x \\ y &= 5x \end{aligned}$$

$$\begin{aligned} 2) \quad y &= -3x + 7 \\ y &= -4x \end{aligned}$$

$$\begin{aligned} 3) \quad y &= 4x \\ y &= 6x \end{aligned}$$

$$\begin{aligned} 4) \quad y &= -5x \\ y &= -2x + 15 \end{aligned}$$

$$\begin{aligned} 5) \quad -x - y &= 15 \\ y &= -4x \end{aligned}$$

$$\begin{aligned} 6) \quad y &= -4x \\ -x + 5y &= 0 \end{aligned}$$

$$\begin{aligned} 7) \quad 6x - 4y &= -18 \\ y &= 6x \end{aligned}$$

$$\begin{aligned} 8) \quad y &= x \\ 6x - 4y &= -2 \end{aligned}$$

$$\begin{aligned} 9) \quad y &= 4x \\ 2x - 2y &= 6 \end{aligned}$$

$$\begin{aligned} 10) \quad 2x - 3y &= 0 \\ y &= 3x \end{aligned}$$

Solve each system by substitution or elimination.

$$\begin{aligned} 11) \quad & 5x = 6 - 2y \\ & -1 + y + \frac{5}{2}x = 0 \end{aligned}$$

$$\begin{aligned} 12) \quad & -y - 4 = -8x \\ & 3 - y = -x \end{aligned}$$

$$\begin{aligned} 13) \quad & -12 = -3y + x \\ & 9y + 12x = -9 \end{aligned}$$

$$\begin{aligned} 14) \quad & y = 4 + 5x \\ & -5x - 2 = -y \end{aligned}$$

$$\begin{aligned} 15) \quad & 3x + 3y = -3 \\ & y = 3 \end{aligned}$$

$$\begin{aligned} 16) \quad & y - 1 + x = 0 \\ & -1 + x = -y \end{aligned}$$

$$\begin{aligned} 17) \quad & 2y - x = 8 \\ & 0 = -4 + 4y + x \end{aligned}$$

$$\begin{aligned} 18) \quad & 4 = 2x + 2y \\ & -4 - y + x = 0 \end{aligned}$$

$$\begin{aligned} 19) \quad & -2 = -2y + 2x \\ & -2 + 2y = 2x \end{aligned}$$

$$\begin{aligned} 20) \quad & -2y + 4 = -3x \\ & -3x + 12 = -6y \end{aligned}$$